Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A coal-fired power generation system comprising means for the production of coal-derived gas and a filter system for the filtration of said coal-derived gas, said filter system comprising at least one high temperature and corrosion resistant filter (10); said filter comprising a filter medium (12) and filter caps (14); said filter medium comprising at least one layer, said layer being a web of metal fibers which has been sintered, said filter caps and said metal fibers being made from a Fe-Cr-Al based alloy, said alloy having one of the following compositions

15 to 25 **wt**% Cr, 4 to 6 **wt**% Al, at least one additional element selected from the group consisting of Sc, Y, Ti, Zr, Hf, V, Nb, Ta and the lanthanides, the remainder being Fe;

up to 15 **wt**% Cr, 20 to 60 **wt**% Al, at least one additional element selected from the group consisting of Sc, Y, Ti, Zr, Hf, V, Nb, Ta and the lanthanides, the remainder being Fe**;**

wherein an Al_2O_3 layer is formed on the surface of said filter, said Al_2O_3 layer being predominantly α- Al_2O_3.

2. (Currently amended) A system according to claim 1, ~~**whereby**~~ **wherein** said metal fibers have a diameter between 4 μm and 30 μm.

3. (Currently amended) A system according to claim 1, ~~**whereby**~~ **wherein** said filter medium comprises at least a first layer and a second layer, said first layer comprises a web of metal fibers with a diameter between 4 μm and 12 μm, said second layer comprises a web of metal fibers with a diameter between 12 μm and 30 μm, the first and second layer are brought into contact with each other to form a layered structure, **and wherein** said layered structure is sintered.

4. (Currently amended) A system according to claim 1, ~~whereby~~ **wherein** the filter medium has a porosity between 60 and 85%.

5. (Currently amended) A system according to claim 1, ~~whereby~~ **wherein** a mesh is fixed to the filter medium at the flow out side, said mesh is made from a Fe-Cr-Al based alloy.

6. (Currently amended) A system according to claim 3, ~~whereby~~ **wherein** a mesh is sandwiched between the first and the second layer of metal fibers before the medium is sintered, said mesh ~~is~~ **being** made from a Fe-Cr-Al based alloy.

7. (Currently amended) A system according to claim 1, ~~whereby~~ **wherein** the additional element is Y with a concentration between 0.03 and 0.5 **wt**%.

8. (Currently amended) A system according to claim 7, ~~whereby~~ **wherein** the Y content ranges between 0.25 and 0.35 **wt** %.

9. (Currently amended) A system according to claim 1, ~~whereby~~ **wherein** the sum of the additional elements is between 0.01 and 1 **wt**%.

10. (Cancelled)

11. (Cancelled)

12. (Currently amended) A system according to claim 1, ~~whereby~~ **wherein** said filter is a candle filter or a tubular filter.

13. (Currently amended) A system according to claim 12, ~~whereby~~ **wherein** said system comprises a number of filters arranged in multiple arrays.

14. (Previously presented)The filtration of hot gases in a system according to claim 1 at temperatures higher than 850°C.

15. (New) The filtration of hot gases in a system according to claim 1 at temperatures of about 1100°C.

16. (New) A system according to claim 1, wherein said Al_2O_3 layer has almost no defects.

17. (New) A system according to claim 1, wherein said filtration of said coal-derived gas occurs in a reducing atmosphere.

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